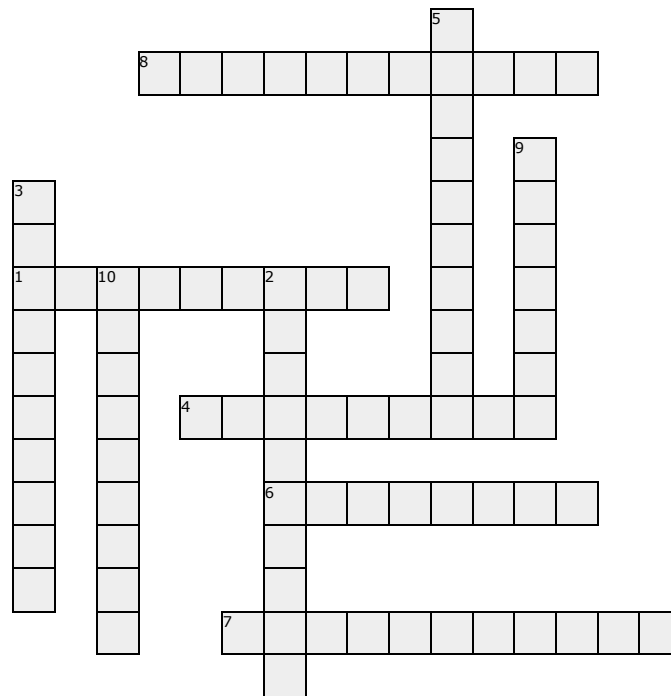


Student Name \_\_\_\_\_

### Student Resource 1.3

## Invention and Innovation

Please complete the crossword puzzle below



#### Across:

1. A desired specification of a product or system
4. A full size working model used to test a design
6. A human-made object
7. A limit to the design process
8. The profession involved in the development of processes, products, and systems that benefit mankind

#### Down:

2. An improvement of an existing technological product, system, or method of doing something
3. Human innovation in action that involves the generation of knowledge and processes to develop systems that solve problems
5. The ability or power to produce original thoughts or ideas based on reasoning and judgement
9. The study of the natural world through observation, identification, experimental investigation, and theoretical explanations
10. A new product or system that has never existed before